## **Advanced Technology Laboratories**

**CLIENT:** Department of Toxic Substances Control

 Project:
 06AT0270

 Lab Order:
 093579

 Contract No:
 05-T2888

### **Work Order Sample Summary**

**Date:** 16-Aug-07

Lab Sample ID	Client Sample ID	Matrix	<b>Collection Date</b>	Date Received	Date Reported
093579-001A	WFCONTROL- Comp/AQ02186	Wood	10/26/2006	8/8/2007	8/16/2007

#### **Advanced Technology Laboratories**

**CLIENT:** Department of Toxic Substances Control

Project: 06AT0270
Lab Order: 093579

CASE NARRATIVE

**Date:** 16-Aug-07

Sample for Fish Bioassay was subcontracted to Associated Laboratory with ELAP Cert.#1338.

# DRAFT

## LABORATORY WORKSHEET

Lab No. 195233

Date Received: 8/8/07 Date Reported: 8/13/07

Bioassay Type
Static 
Continuous Screening V Delinitive

FAXED

Report To: Adv Tech Labs

AUG 15 2007

Sample Description Test Grganism Aquaria Volume Organism Characterist Dilution Water - S Aeration	Pime	phales Prom Aqu ength (mm) Min	elas aria Deplia	S inches	45 No	Control Sour	e Tho	mas Fish Fa 10 Wek	Total Chloric Total Chloric (gm) Min	Accilma no Residual 1 0.46 g Akalinily - In Final: 3.5	Max C	Sample Condu 66 gm mg/l Fina	Avg 0.5	) deg. C 60 flmhos/s, 5 5 /gm mg/l y 200 fl	2.5
Bioassay	Date	Contr	·n]					;;		ation		<del></del>			
-				75		5	00	2/	50	יקטס:	750	50	10	25	o i
Organisms Organisms	7ime 8/9 8/10 8/11	NO. 10 10	100 100 100	No. 10	100 100 90	No. 10 10	100 100 100	No. 10 10	100 100	NO. 10 10	100 100	No. 10 10	100	NO. 10 10	100 100
Surviving [	8/12 8/13	10 10 6.6 6.9	100	9 6.2	<u> 40</u> 40	- 10 6.2	188	6.2	188	9 6.2 7.2	90	10 10 6.2	100	10 10 6.2	100 100
Dxygen mg/l	10:20 11:10 14:20	7.1 7.3 7.0	<u></u>	7.2 7.4 7.0 7.3		7.0 1.2 1.1 7.5		7.3 7.0 7.2 7.1		7.4 7.0 7.3		7.0 7.2 7.5		7.3 7.0 7.2 7.1	
PH	Start 24 Hr 48 Hr 72 Hr	7-1 7-1 7-2		7.3 7.2 7.1 7.0	14.8°C 20.0°C 20.0°C 20.0°C	7.5 7.4 7.3 7.2	4.5000000000000000000000000000000000000	7.6 7.5 7.4 4.3	19.8°C 20.0°C 20.2°C 20.0°C	7.1	18.8°C	7.3	14.6°C 20.2°C 20.2°C 20.2°C	7.6 7.5 7.4	20.0°C 20.0°C 20.0°C
	96 Hr	7.2/	9.8°C	7.0	19.8°C	7.2	19.8°C	7.3	14.8°C	7-0	19.8°C	7.2	19.8°C	7.3	19.8°C
Results - LC <sub>50</sub> :		> 750	mg/I					Melho	d of Calcu	llations		Nz			
v		> 750	mg/t					95% C	onlidence	Limits		A			•
% Surv	ival	N					*	LC 50	Method_						j
Toxicity	Units T.U	1. <u>A</u>		I	TD)										-1
Observation/Remar	ks				<u>"</u>		-		*					,	

Laboratory Supervisor

TOTAL P.01

Department of Toxic Substances Control Environmental Chemistry Laboratory

California En	vironmental Pr	otection Agency					Environmental C		Laboratory	
ENVIRONM	ENTAL CHEM	ISTRY LABORATO	RY	1. Authoriza	tion Number	ECL No.: 1202186			2. Page	
SAMPLE A	NALYSIS REQ	UEST		06A	T0270	То			1 of 1	
3. Requesto	r:/to Receive Re	esults) a. Name:	Martin Snide	r		4. Program/A	ctivity:		11	
	700 Heinz Ave				(street number)		HWM-RPD			
	Berkleley, CA				(city, state, zip)	5. TAT Level: 2				
c. Phone:	(510) 849-5258		d. Fax:		(area code first)	*Unit Chief's				
e. Email:		nsnider	@dtsc.ca.go	ν	_ •	(if TAT level =	Sales - State Control of the Control		b)	
£ Sampline	Information:	a Date/Tir	me Sampled:		(mm/dd/yy)		ct from drop down list o	ve fill in if a	enlicable)	
b. Location:		a. Date/11	ne Sampleu.	10/20/00	_(#:## AM/PM)	G 10 DESCRIPTION WITH IN	ct from drop down list c	и на иги ад	phicable)	
D. Location.	Site:	UCCE Richmond F	- Field Station c	lo Steve Ouar	-	b. INDEX				
	Address:	1301 South 46th S				c. PCA	22090		1.1	
	, i.d.a. 555.	Richmond, CA 948		<u> </u>	(city, state, zip)	d. MPC				
	GPS-Lat:	1,10,111,0,10,10	GPS-Long:		_(0.13), 0.10.10)	e. SITE	<del>,                                    </del>			
	GPS-Alt:	11	GPS-Depth:			f. County	101 Name (018)	2001-200404		
8. Samples:	2010/2012/2012/2012/2012/2012/2012/2012					f. Number of				
a.ID b. Colle		c. ECL No.	d. Matrix	e. Container	Size		g. Preservative /	Field In	formation	
	NTROL-Comp	1AQ 00186	wood	8 oz clear gla		1	milled to <2 mm	V.E. 1003000001 30250		
2		115020					on 5/3			
3							, ,	1 - 1		
4										
5								****		
6										
7										
8										
9										
9 Analysis	Requested: Fi	nter sample IDs an	d sample ID	ranges senar	ated by comm	as. For exami	ole, 1-3, 5-7, 9	the state of the s	F	
a. Inorganic				le(s) ID	b. Organic Ar			Sami	ple(s) ID	
a. morganio	7 Kildiyələ		Camp	(O) ID	bi Organio / ii	iaiyolo		Juni	E L	
				12.7		· ·		100 10 10		
						1165				
				,						
****		101.1				1				
Other Metals:		90				<u> </u>				
c. TCLP Ana	alysis				d. Other Anal	ysis				
		4			Fish Bioassay	ay (Title 22, FishBio) 1				
						500 00 00 00 00 00 00 00 00 00 00 00 00				
	2									
e. Comments	s for Multiphas	ic Samples/Analysi	s Priority:				and the state of t			
10. Analysis	Objective:		Waste Chara	cterization						
									-	
11. Detectio	n Limit Requi	rements: (Check E	CL Users Ma	anuai to assu	re default DL I	s sumicient.)			11	
		LC50							_ <del></del> +	
12. Supplem	nental Reques	ts: Enter sample II	Ds as describ	ed in Item 9	🕴	13. ECL Lab		_		
Desired Ana	alysis		Sample(s) ID	Initials:	E	White	Fix Constra	₩Ç.	. A	
	<del></del>				_   c					
	32			Date:	k				В	
					_   †					
14. Chain of	Custody:				10 mm					
	Name	Title			/ Signature		Inclusive Da	ates of C	ustody.	
TO TO THE STATE OF	rtin Snider	Res. Sc	i. II	ME		les	10/26/2006	to	& 1407 c	
b.FPDIWA	3	Sample Cattu	or rech	10	4		8/8/57 0930	to	. 0	
c.					/			to	C	
d.					1			to		

SUPPLEMENTAL	П
(Check if Supplemental	Requested)

## AUTHORIZATION REQUEST FORM (ARF)

PART A: (By Rec Requestor's Name	Martin Snider		ZIT I	) Ema	-n -	TAT Level: □1* □2 □3 □4
Region	02-Berkeley			-		msnider @dtsc.ca.gov Phone ( 510 ) 849-5258
Back-up Requestor	☐ Tang HWMP-8	220000		Uni	t	Fax( )
Site Name						
	UCCE-Richmone					ries AREA CODE
PART B: Analytica	al Requests (B)	Rea	uest	מר) וו	ah usar	default methods listed below. Please specify all other requests.)
		Num	ber of	Sample	es/Type	belauit methods listed below. Please specify all other requests.)
inorganic A	malysis				Other	Number of Sample
% Dry Solids (ECL730-S)						Organic Analysis Solid Liquid Water GRO (Gasoline, 8015B)
Acidity (305-1)						DRO(Diesel) only (ECL816-M)
Alkalinity (310-1)						Motor Oil only (ECL816-M)
Anions by IC (9056)						DRO(Diesel) & Motor Oil (ECL816-M)
hromium VI(Cr <sup>5+</sup> ) by Colori	metric (7196A)					EthyleneGlycol (ECL772-M)
hromium VI(Cr <sup>5+</sup> ) in Water	by IC (7199)	1. 7				PBDEs (ECL750-M)
yanides for Wastes, Leacha	ites (9010B)		****	1,100	****	PCBs (8082)
ardness (130-2)	7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7	1-	10.0			
ercury(Hg) in (Semi)Solid V	Vaste (7471A)		- 1	7-11		Pesticides - Chlorinated (B081A)
ercury(Hg) in Liquid Waste	(7470A)					Pesticides - Organophosphate (8141A)
etals Scan (6010B, for As,Ba	a,Cu,Pb, etc)				$\neg$	1,4-Dioxane (ECL830-S)
etals Scan (for Drinking wat	er, 6020A)					SC/MS Semivolatiles (8270C)
ganoLead in Waste (ECL9:	3B-M)					Volatiles (8260B)
rtide Size (ECL740-S)				- 8,		Carbonyl Compounds (8315A)
rchlorate for Soil, Sludge (E	CL955-M)				-1	IPLC Explosives (8330)
rchlorate for Water (314-0)						PAHs (8310)
(9040B, 9045C)						ioxins/Furans by HRGC/HRMS (ECL880-M)
al Dissolved Solids (160-1)	-			-		lash Point (1020A)
T(ECL910-S) Only if necessar	y 🗸 Doûregardless			-	-1	Hexane Extractables/TPH (1664)
ers, type in)		-+		+		XO-Total Halogens in Oil (ECL792-S)
TC	LP Analysis**					thers, type in)
als Only if necessary	Do it regardless				$\dashv$ L	Other Analysis
CUTY Only if necessary						sh Bioassay (Title 22)
	Do it regardless					ongener PCBs: (ECL-CG-PCB)
Ivolatiles Only if necessary	Do it regardless				9	ingener PBDEs (ECL-CG-PBDE)
rs, type in)	<u> </u>	20 20		_ _	(0	ners,type in)
lysis Objective:	<u>-</u>	772		$\perp \perp$		ers, type in)
	Wa	ste Cha	aracte	rizatior	1	
ection Limit Requirements C, TTLC, T22 LC50	. (Check ECL User's	Manu	al to a	ssure	defaul	DL is sufficient.)
r Comments: White Fir con	froi				1.71	
ected Date of Sample Arriv		40/0/				
		10/26	5/06	(mr	n/dd/yy	
RT C: (By SMO - ECL)						ARF's Revision No.
uthorization Number (AN) ab to Receive Sample(s)	0 6	F	17	0	6	17101 1 446
and the server cample (s)						10000
æ	-	19	Adv	anced	Techno	
ample Management Officer	(2140)		327	5 Walr	nut Ave	ue
,	(SIVIU) CHA		Sign Att	al Hill, Diane	CA 90	07 — Date: Date:
	1			J.a. 10	Jaivilli	
	The state of the s					Initiales
day's Date	10/80/00	(mm	/dd/yy	)		Expiration Date  Expiration Date